VVDI2 – Overview

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1.Document Declaration

Please view the following declaration carefully:

- VVDI2 – Overview can help you learn how to use VVDI2 device. **Please DON'T used for illegal purpose, Please follow the national law**
- VVDI2 – Overview is written by VVDI2, **please DON'T used for commercial purposes without authorize**
- VVDI2 – Overview have some associated documents. Mainly following:
  - **VVDI2 – Install Software and Driver**
  - **VVDI2 – VAG User Manual**
  - **VVDI2 – BMW User Manual**
  - **VVDI2 – Transponder Programmer User Manual**
  - **VVDI2 – PassThru J2534 User Manual**
  - **VVDI2 – Update Online**
- **Any illegal use VVDI2 – Overview and its associated documents, illegal use VVDI2 device, The user should take all risks, the company does not assume any responsibility**

Thank you for choosing VVDI2.

2.Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and/or the tool, read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle:

- Always perform automotive testing in a safe environment
- Wear safety eye protection that meets ANSI standards
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts
- Operate the vehicle in a well ventilated work area: Exhaust gases are poisonous
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby
- Don’t connect or disconnect any test equipment while the ignition is on or the engine is running
- Keep the tool dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool, when necessary

3.Hardware Overview

3.1. Specifications

ITEM	Description		
Operating Temperature	-20 to 70 °C (-4 to 158 °F)		
Storage Temperature	-40 to 85 °C (-40 to 185 °F)		
Diagnostic Interface	16 PIN		
USB Interface	USB 2.0		
Power	DC 5 V - 12 V		
Consumption	1 W		
Dimensions	**Length**	**Width**	**Height**
	146 mm(5.75″)	85mm(3.35″)	38 mm(1.50″)
Packing Dimensions	**Length**	**Width**	**Height**
	227 mm(8.94″)	158 mm(6.22″)	58 mm(2.28″)
Net Weight	240 g		
Gross Weight	610 g		

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3.2. System Requirements

PC/Laptop Minimum Specification

	Minimum Specification	Recommended Specification
CPU	Pentium 3/1GHz or above	Pentium 4/1.6GHz or above
Memory(RAM)	512M or above	1G or above
HDD	40G or above	60G or above
Display	800 x 600 or above	1024 x 768 or above
OS	Win98/2000/XP/Vista	WinXP/WIN7
Port	USB	USB

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3.3. Tool Description

1. **VVDI2 device**
2. **5th BDM Programmer**
3. **OBD line**
4. **CAS plug (Extra plug, need buy from dealer)**
5. **Remote Programmer (Extra plug, need buy from dealer)**
6. **USB cable**

4. Software Overview

4.1. Overview

- VVDI2 is a multifunctional automotive diagnostic platform, mainly for automotive maintenance(replace 2nd parts, diagnostics, keys, mileage etc)
- Support OBD function for VW, Audi, Skoda, Seat, Porsche, Bentley, BMW etc
- Support many transponders: Read/Write/Copy/Verify etc
- Support Immobilizer Data Tool and make remote
- Support Third – Party software, such as ODIS, VAS5054, Techstream, HDS etc
- VVDI2 device need synchronize with server every 31 days
- VVDI2 can update firmware and software online
- VVDI2 have the following programs accord the main function:
  - Auto detect transponder and Remote frequency test
  - VVDI2 – Quick Start
  - VVDI2 – VAG
  - VVDI2 – BMW
  - VVDI2 – Transponder Programmer
  - VVDI2 – PassThru Configuration
  - VVDI2 – Update Online

4.2. Auto detect transponder

Very useful function, transponder can be auto detected by VVDI2 from main device. Just input transponder and press button 'T' on VVDI2. You just need provide power to VVDI2

4.3. Remote frequency test

Very useful function, remote key's frequency can be auto detected by VVDI2 from main device. Press button 'F' on VVDI2, place remote key on check area and use any button on your remote key

4.4. VVDI2 – Quick Start tool

- In the title you can find Quick Start tool version and Installer version (PICTURE 4.1)
- Double click the icon function to start programs or view folder
- Quick start will minimize to system tray after run other programs
- Quick start will shown to front window after close other VVDI2 programs
- Double click VVDI2 icon in system tray, it will come to front window
- ReadMe: Open update information folder
- User Manual: Open user manual folder
- Log Files: Open log files folder

(PICTURE 4.1)

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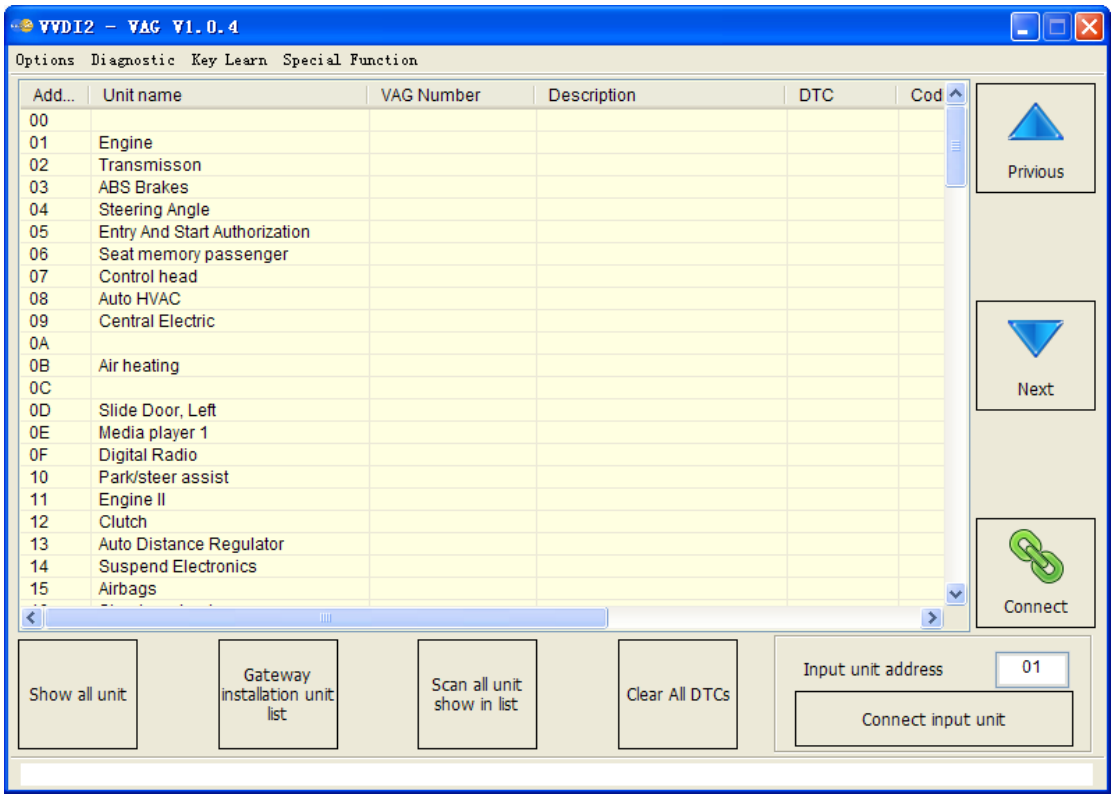
4.5. VVDI2 – VAG software

VAG software support VAG cars: VW, Audi, Seat, Skoda, 4th immobilizer Porsche, 4th immobilizer Bentley (PICTURE 4.2)
Mainly include: Diagnostic, 4th immobilizer, 5th immobilizer, key learn, BCM remote control, Engine control unit, Kline instrument and immobox, adapt unit, component protection, dump tool etc. You can find detail in VVDI2 – VAG User Manual



(PICTURE 4.2)

◆ Diagnostic

Support TP2.0, UDS, KWP1281, KWP2000 protocol, have internal database, can display every item in detail

- **Identification**: read the detail information for target unit
- **Coding**: Set unit coding
- **Actuator test**: Test every small actuator in target unit
- **Read DTCs**: Read trouble codes
- **Clear DTCs**: Clear trouble codes
- **Basic settings**: Complete basic settings for target unit
- **Security access:** Login with PIN code, usually use before adaptation
- **Adaptation**: Set new value in channel
- **Custom requests**: You can write your own commands to unit
- **Measured values:** Display useful information from channel
- **Advance measure value**: Display one item information in group (mainly for UDS protocol)

- **ECU Flasher**: Support flash ECU by OBDII, now we support frf, odx, sgo file

◆ Key Learn

- **4th immobilizer system** – VW/Audi/Skoda/Seat/Porsche/Bentley all have cars with 4th immobilizer. For 4th immobilizer cluster, support Read/Write EEPROM, Read/Write immodata, change KM, add new key, read START/STOP key data etc
  1) Instrument - CDC3217/CDC3297/CDC3272 + 24C2
  2) Instrument - NEC+24C32
  3) Instrument - NEC+24C64
  4) Instrument - NEC+24C64 (2013-)
  5) Instrument– NEC+24C64 (2012 TFT color display)
  6) Instrument– NEC+24C64 (2013 TFT color display)
  7) Instrument– NEC35xx
  8) Instrument– NEC+95320
  9) Instrument– Motorola 9S12XHZ512(Golf6 MM7 – 2011)
  10) Instrument– NEC+95320(Johnson Controls)
  11) Instrument– NEC+95320(JCI – 2013 Bora/Jetta)
  12) Instrument– Visteon
  13) VW Passat B6/B7/CC Key Learn
  14) Touareg/Phaeton/A8/Cayenne/Bentley 4th immobilizer
  15) Audi A1 – NEC+24C64
  16) Audi A3/TT/R8 – CDC3217/3297 + 24C32
  17) Audi A4 – instrument Crypto RB4 (2001+)
  18) Audi A4 –instrument Crypto RB8 (2004+)
  19) Audi A6/Q7/Allroad – EZS-Kessy
  20) Audi Q3

- **5th immobilizer system** – VW/Audi
  Support following cars: A4(2009-), A5, Q5, A6 (2012-), A7, A8(2011-), Touareg(2011-)
  1) OBD method read BCM2
  2) BDM method read BCM2
  3) Check key status
  4) Make Dealer key
  5) Key Learning

- **Key Learn**
  Support learn dealer key by OBD for most of the vehicles (Auto detect type is supported). Supports following types:
  1) Audi A4/A6 (immobilizer box) -1997 - KWP1281
  2) Audi A8 (immobilizer box) -1999 - KWP1281
  3) Audi A2/A3/A6/TT/Allroad 1997+ - KWP1281
  4) Audi A4 1997-2002 - KWP1281

5) Audi A4 2002+ - KWP2000
6) Audi A8 1999-2002 - KWP1281
7) Audi A3 - CAN
8) Audi A6/Q7/Allroard 2005+ - CAN (**Support OBD lost all key**)
9) Seat Altea -2007 - CAN
10) Seat Cordoba
11) Seat Ibiza (immobilizer box) -1999 - KWP1281
12) Seat Ibiza 1999+
13) Seat Leon - KWP1281
14) Seat Leon -2007 - CAN
15) Seat Toledo - KWP1281
16) Seat Toledo -2007 - CAN
17) Skoda Octavia - KWP1281
18) Skoda Octavia II -2007 - CAN
19) Skoda Octavia II 2007+ - CAN
20) Skoda Superb - KWP1281
21) Skoda Roomster - KWP1281
22) Skoda Scout -2007 - CAN
23) Skoda Fabia (immobilizer box) -1999 - KWP1281
24) Skoda Fabia 1999+ - KWP1281
25) VAG (immobilizer box) - KWP1281
26) VAG KWP1281 Immobilizer - KWP1281
27) VAG KWP2000 Immobilizer - KWP2000
28) VW Polo (PCF7935 transponder) - KWP1281
29) VW Touareg/Phaeton/Bentley/Cyenne Kline - KWP2000
30) Audi A8 - CAN
31) VW, Seat, Skoda -2007 - CAN
32) Porsche Cayenne CAN - CAN
33) VW Passat B6/CC – CAN (**Support OBD lost all key**)
34) VW Passat B6/CC with EDC17/MED17 – CAN (**Support OBD lost all key**)
35) VW Golf V with Visteon dash
36) Audi A4 (RB8 Instrument Cluster) 2004+ - KWP2000
37) VW, Seat, Skoda 2007+ - CAN (**Support OBD lost all key**)
38) VW, Seat, Skoda, Audi with VDO NEC 2009+ - UDS (**Support OBD lost all key**)
39) Lamborghini Gallardo -2005
40) Lamborghini Gallardo 2005+
41) VW with NEC+95320 or Magneti Marelli with Motorola 9S12 2009+ (**Support OBD lost all key**)
42) Immobilizer box use Megamos - KWP1281
43) New Beetle - KWP2000
44) Johnson Controls with 95320 - UDS (**Support OBD lost all key**)
45) VW Dashboard with VDO NEC35xx 2013+ - UDS (**Support OBD lost all key**)

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- **BCM Remote control**

  Support adapt remote key with 09 unit (4th immobilizer – UDS dashboard)

◆ Special Function

- **Engine Control Unit**

  OBD operation: read PIN, CS, MAC, change KM, switch OFF/ON immo, read flash. Also VVDI2 provide auto detect function. Supports following types:

  1) ME7.1.1/7.5/7.8 master
  2) ME7.1.1/7.5/7.8 slaver
  3) MED17
  4) MED 9.1 single
  5) MED 9.1 master
  6) MED 9.1 slaver
  7) MED 9.5.10
  8) EDC15x
  9) EDC16U1
  10) EDC16U1 master
  11) EDC16U1 slaver
  12) EDC16U31
  13) EDC16U31 master
  14) EDC16U31 slaver
  15) EDC16U34
  16) EDC16CP/EDC16CP34
  17) EDC16CP34 master
  18) EDC16CP34 slaver
  19) EDC16C4 master
  20) EDC16C4 slaver
  21) EDC17
  22) SIMOS PPD 1.1/1.5(Siemens)
  23) SIMOS benzin(Siemens)
  24) Porsche 5.2/7.8

- **K-Line Instrument/Immobox**

  OBD operation: Read pin code from Kline cluster and immobox, Read/Write EEPROM, change KM etc

  Supports following types:

  1) Instrument Cluster(VDO66,VDO86, Motometer)
  2) VW LT immobilizer box
  3) VW Gol immobilizer box
  4) White immobilizer box - Audi A4/A6/A8
  5) Black immobilizer box Siemens 6 PINs HC05 (Immo1)
  6) Black immobilizer box Siemens 6 PINs HC05 - 2400 (Immo1)
  7) Black immobilizer box Siemens 6 PINs TMS (Immo1)
  8) Instrument Cluster - Audi A4 B5 with Board Computer (-1997)

9) Instrument Cluster - Audi A4 B5 without Board Computer (-1997)
10) Instrument Cluster - Audi A8 (-10.1996)
11) Instrument Cluster - Audi A8 (11.1996-)
12) Instrument Cluster - Audi A6 B45 (-1997)
13) Instrument Cluster - Magneti Mareli - Shadow 1
14) Instrument Cluster - Magneti Mareli - Shadow 2 (Passat)
15) Instrument Cluster - Magneti Mareli - Shadow 3 (TT)
16) Instrument Cluster - Magneti Mareli - Direct 1996-2000
17) Instrument Cluster - Magneti Mareli - Direct 2000-
18) Instrument Cluster - Sharan/Galaxy (-2000)
19) Instrument Cluster - Audi A4 BOSCH RB4 Crypto 2001+
20) Instrument Cluster - VW Golf 4 BOSCH RBx
21) Instrument Cluster - Audi A4 BOSCH RBx
22) VW Phaeton/Touareg, Bentley Continental, Porsche Cayenne
23) Instrument Cluster - Audi A4 BOSCH RB8 Crypto 2004+
24) Instrument Cluster - Lamborghini Gallardo -2005
25) Instrument Cluster - Lamborghini Gallardo 2005+

- **Change KM**

(4th immobilizer UDS cluster enter 4th immobilizer for change KM, Kline cluster enter Kline cluster and immobox change KM)

Supports following types:

1) CAN Instrument - A4(2009-)/A5/Q5
2) CAN Instrument - A6/Q7/Allroad (-2011)
3) CAN Instrument - A8 (2003-2011)
4) CAN Instrument – Touareg/Phaeton (2007-2010)
5) CAN Instrument – VW Touareg(2010-)/Audi A7/Audi A8(2011-)
6) CAN Instrument– VW Lavida(China)1.6, 2.0 (NEC+24C08)
7) K-Line Instrument– Touareg/Phaeton (-2007)

- **Adapt Unit**

This can adapt 2nd unit to new car, synchronization ECU with immobilizer.

Supports following types:

1) ECU (EDC16/EDC17/MED9/MED17/Simos) – 4th immobilizer ECU
2) Kessy Audi A8, VW Touareg/Phaeton
3) Passat B6 /CC Comfort module
4) A6/Q7/Allroad Transmission gearbox
5) Electrical Steering Colum Lock(PQ35)
6) A6/Q7/Allroad EZS-Kessy

- **Component protection**

1) Generation 1
   a) Audi A6/Q7 (2004-2009) - 07 - Control Head (MMI)
   b) Audi A6/Q7 (2004-2009) - 09 - Central electric (ILM Fahrer)

c) Audi A6/Q7 (2004-2009) - 0E - Media Player 1 (MP3 CD Changer)
d) Audi A6/Q7 (2004-2009) - 18 - Auxilary Heater
e) Audi A6/Q7 (2004-2009) - 46 - ILM Front passenger (ILM Beifahrer)
f) Audi A6/Q7 (2004-2009) - 06 - Seat Memory Passenger
g) Audi A6/Q7 (2004-2009) - 36 - Memory module (Driver's seat)
h) Audi A8 (2003-2006) - 17 - Instrument Cluster
i) Audi A8 (2003-2010) - 06 - Seat Memory Passenger
j) Audi A8 (2003-2010) - 36 - Memory module (Driver's seat)
k) Audi A8 (2003-2010) - 47 - DSP Bang & Olufsen

2) Generation 2 – Audi A6/Q7/Allroad other control unit, Audi A4/A5/Q5 control unit
Support following modules: Entry And Start Authorization, Airbags, Instruments, Central Electric, Central Comfort Module, Seat Memory Driver, Auto HVAC, Auxiliary heater, Seat memory passenger, Sound System, Control head, Information Electric, Radio etc

- **EEPROM dump tool**

Support decode ECU EEPROM, Kessy module, J518 module, comfort module, change KM for cluster EEPROM dump
ECU EEPROM**:** decode PIN, CS, MAC, set new PIN，CS，MAC values
Immobox EEPROM: Kessy module(93C86), J518 module, comfort module, decode PIN，CS，Immo NO., VIN etc
Cluster and immobox EEPROM: decode PIN, KM, and change KM
Support following types:

1) IMMO - KESSY - Audi A8, VW Touareg, VW Phaeton, Porsche Cayenne, Bentley Continental [93C86]
2) EZS-Kessy Security access code / component protection data [9S12]
3) Comfort module component protection data (Passat B6)
4) ECU EDC16 Set component protection data [95320]
5) ECU EDC16 Immo bypass [95320]
6) ECU EDC16 Mileage calculator [95320]
7) ECU EDC16 Security access code / Checksum calculator [95320]
8) ECU EDC16 Speed Limiter [95320]
9) ECU EDC16 Make virgin [95320]
10) ECU MED 9.x Reset component protection data [95160]
11) ECU MED 9.x Security Code / Checksum calculator [95160]
12) ECU MED 9.x Reset component protection data [95080]
13) ECU MED 9.x Security Code / Checksum calculator [95080]
14) ECU MED 9.x Reset CRYPTED Login/Component protection
15) ECU MED 9.x Reset flash counters
16) ECU MED 9.x Immo Bypass
17) ECU ME 7.x Set component protection data [9P08/95080]
18) ECU ME 7.x Security Code / Checksum calculator [9P08/95080]
19) ECU ME 7.x Immo Bypass [9P08/95080]

20) ECU EDC15 Immo bypass [24C04]
21) Gateway Mileage resetter [95160]
22) Steering lock VW Passat 6 Security code [68HC908]
23) ECU Simos Benzin - Immo bypass
24) ECU Simos 7 - K-line - Login code [93C76] [93C86]
25) ECU Simos 7 - CAN - Security Access Code [93C76] [93C86]
26) ECU Simos 7 - CAN - Reset component protection data [93C76] [93C86]
27) ECU Simos 6.x - Security Access Code
28) ECU Simos 6.x - Reset component protection data
29) ECU Simos PPD1x - Reset component protection data
30) ECU Simos PPD1x - Mileage calculator
31) ECU Simos PPD1x - Security Access Code
32) ECU Simos 9.1 - Reset component protection data
33) ECU Simos 9.1 - Security Access Code
34) ECU Simos 9.2 - Reset component protection data
35) ECU Simos 9.2 - Security Access Code
36) ECU Simos 6.3 - Reset component protection data
37) ECU Simos 6.3 - Security Access Code
38) ECU Simos 3.3 - Security Access Code and CS bytes
39) ECU Magneti Marelli Security Access Code [95320]
40) ECU Magneti Marelli - Reset component protection data [95320]
41) ECU Magneti Marelli Security Access Code [95080]
42) ECU Simos 9.1 (Polo 2007) - Security Access Code
43) ECU Bosch M3.x - Immo bypass
44) ECU MSA1x - Immo bypass
45) IPC VDO VW/Seat/Skoda (2007+) Micronas
46) IPC - CRYPTO Skoda Fabia, Skoda Roomster, VW Polo, Seat Ibiza [93C86]
47) Magneti Marelli MM4 Instrument mileage and login code [HC12]
48) Audi A3/A4/A6 UKNSI 1995-1997 mileage and login code [93C56]
49) Audi A3/A4/A6 UKNSI 1997-1998 mileage and login code [93C56]
50) Audi A3/A4/A6 UKNSI Japan mileage and login code [93LC56]
51) Audi 100 VDO 1995 mileage [94C46]
52) Golf 3 VDO 1995 mileage [93C46]
53) Golf 3 VDO V3.9 mileage [93C46]
54) Golf 3 Diesel mileage [93C46]
55) Golf 3 Motometer V5.8 mileage [93C56]
56) Polo Motometer mileage [93C46]
57) Polo Motometer 1996 mileage [93C66]
58) Passat VDO 1991 mileage [93C56]
59) Passat VD202 1993 mileage [93C46]
60) Passat GT mileage [93C46]
61) Passat GT mileage [93C56]
62) Caddy mileage [93C56]
63) Corrado VDO 1993 mileage [93C46]

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64) Corrado MotoMeter 1991-1995 mileage [93C56]
65) Corrado VDO 1991-1995 mileage [93C56]
66) Jetta 1994-1996 mileage [93C46]
67) T4 MotoMeter 1996-1997 mileage [93C56]
68) Audi A8 (-2002) - Security access code, Program transponder [24c17]
69) Audi A8 (-2002) - Mileage calculator [24c17]
70) Polo TRW [24c08] - Security access code
71) Black immobilizer box VALEO 24C04 - Security access code

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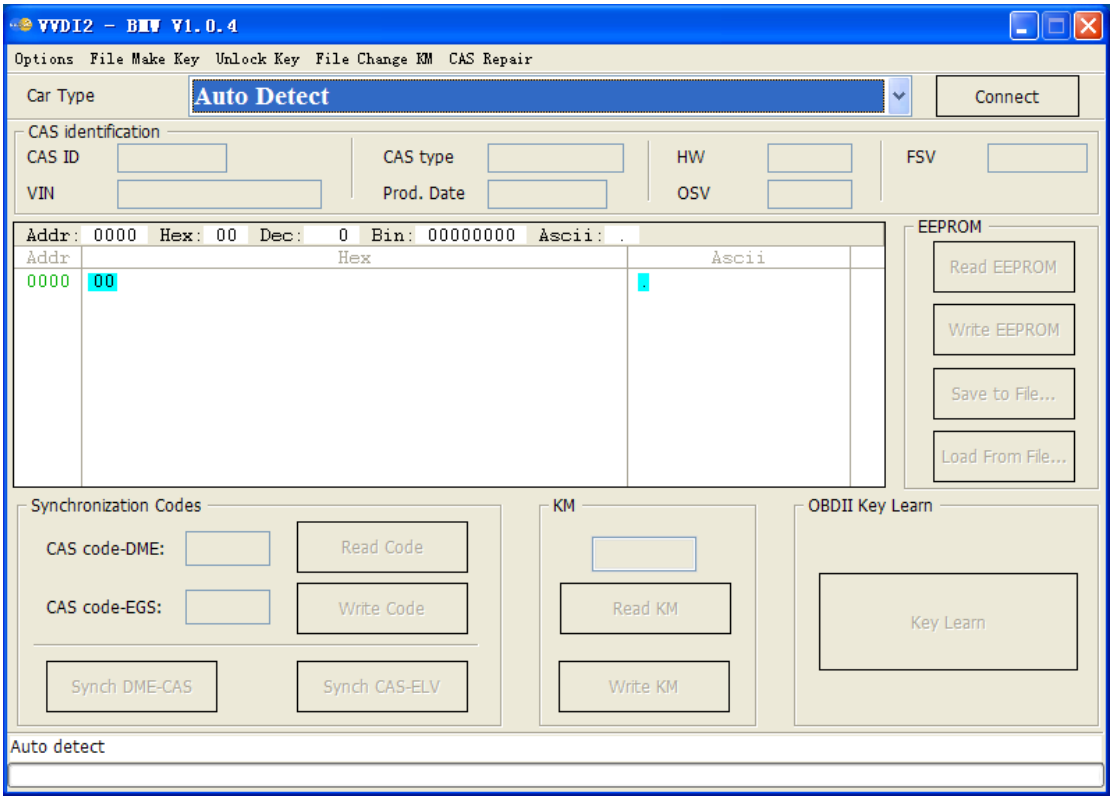
4.6. VVDI2 – BWM software

BMW software support cars: BMW (PICTURE 4.3). Support types can be find in (PICTURE 4.4)

Mainly function: Read/Write EWS, read CAS information，Read/Write CAS EEPROM, Read/Write KM stored in CAS, synchronization DME with CAS, synchronization CAS with ELV, Key Learn(immo)，File Make Key, Unlock Key, File Change KM, CAS Repair etc

OBD Flash ISTA version only need 10 minutes. (No extra power. No backup CAS EEPROM and FLASH). You can find detail in VVDI2 – BMW User Manual



(PICTURE 4.3)

BMW Multi Tool Support Table		○	Not Support
		●	Support

System	Function	OBDII	CAS PLUG	Support EEPROM Dump
EWS1	Change KM	○	○	○
	IMMO	○	○	●
EWS2	Change KM	○	○	○
	IMMO	○	○	●
EWS3	Change KM	○	●	●
	IMMO	○	●	●
EWS4	Change KM	○	●	●
	IMMO	○	●	●
CAS1(0K50E)	Change KM	●	●	●
	IMMO	●	●	●
CAS2(2K79X)	Change KM	●	●	●
	IMMO	●	●	●
CAS3(0L01Y)	Change KM	●	●	●
	IMMO	●	●	●
CAS3+(0L15Y)(not encypt)	Change KM	●	●	●
	IMMO	●	●	●
CAS3+(0L15Y, 0M23S) (encrypt)	Change KM	●	●	●
	IMMO	●	○	●
CAS4(1L15Y, 5M48H)(not encrypt)	Change KM	○	○	●
	IMMO	○	○	●
CAS4(5M48H)(encrypt)	Change KM	○	○	●
	IMMO	○	○	●

(PICTURE 4.4)

◆ OBD Function

Support CANBUS100, CANBUS500 and KWP protocol.

- **Diagnostic CAS information**
- **Key Learn**
  1) **Get Key Info**
  2) **Write Key Info**
  3) **Prepare dealer key with programmer (Support CAS1, CAS2, CAS3, CAS3+, ISTAP)**
  4) **Prepare dealer key with ignition switch (Support CAS1, CAS2, CAS3, CAS3+, ISTAP)**
  5) **Program Key info**
  6) **Enable/Disable Key (Support CAS1, CAS3, CAS3, CAS3+, CAS4, CAS4+)**
  7) **Clear DTC/Shadow**
- **Read/Write CAS EEPROM**
- **Change KM stored in CAS**
- **Read/Write synchronization codes stored in CAS**
- **Synch DME – CAS**
- **Synch CAS – ELV**
- **Read/Write EWS EEPROM**

◆ File Make Key

Support following types:

- **EWS1**
- **EWS2**
- **EWS3**

- **EWS4**
- **CAS1(0K50E)**
- **CAS2(2K79X)**
- **CAS3(0L01Y)**
- **CAS3+(0L15Y/0M23S): Support encrypt version and ISTAP version**
- **CAS4 (F - Series 1L15Y)**
- **CAS4 (F - Series 5M48H): Support CAS4 encrypt version**

◆ File Change KM

Support following types:

- **EWS3**
- **EWS4**
- **CAS1(0K50E)**
- **CAS2(2K79X)**
- **CAS3(0L01Y)**
- **CAS3+(0L15Y/0M23S)**
- **CAS4 (1L15Y)**
- **CAS4 (5M48H)**
- **M35080(E – Series cluster)**
- **F - Series cluster**

◆ Unlock key

Support unlock key for CAS1/CAS2/CAS3/CAS3+ prepared by VVDI2

◆ CAS Repair

- **CAS1 Repair (OBDII)**
- **ISTAP Repair (OBDII)**

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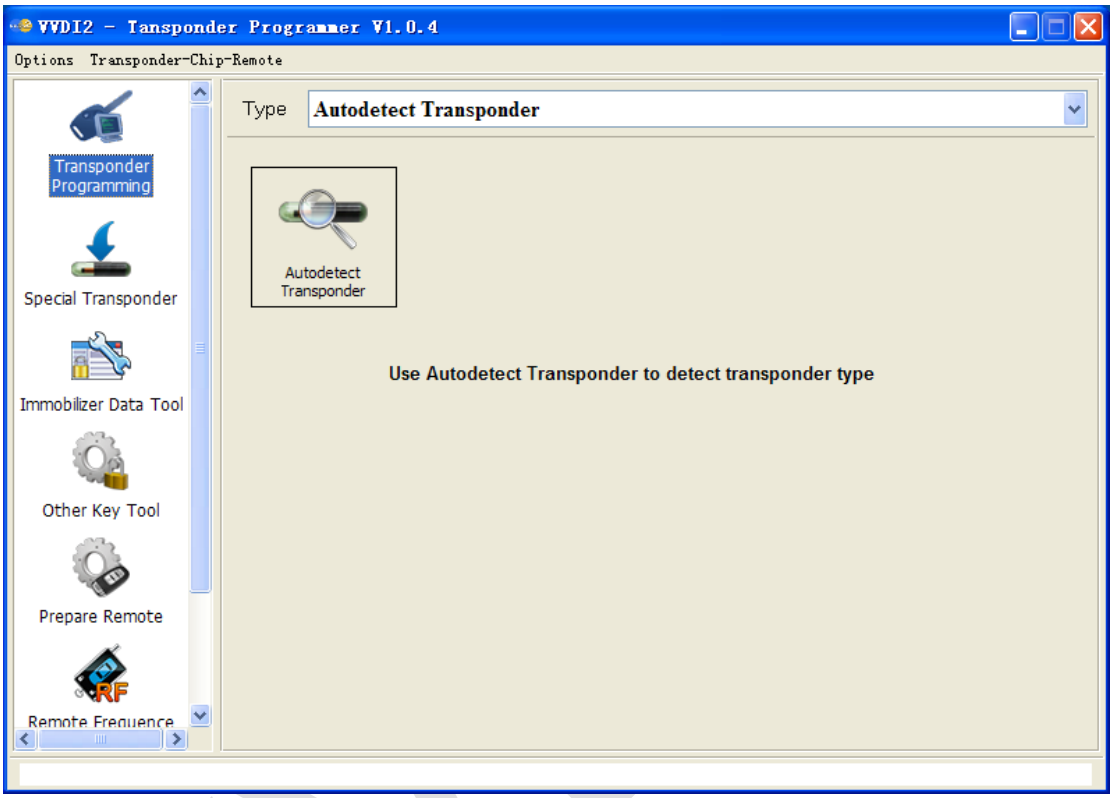
4.7. VVDI2 – Transponder Programmer software

Transponder programmer software is a multifunctional immo transponder tool. Mainly include: transponder programming, special transponder, immobilizer data tool, other key data, prepare remote etc (PICTURE 4.5)

You can find detail in VVDI2 – Transponder Programmer User Manual



(PICTURE 4.5)

◆ Transponder Programming

Support many type transponder: Read/Write, Verify, Copy etc (Support auto detect function)

Support following types:

- PCF7930/PCF7931/PCF7935
- HITAG2
- HITAG2+ EE
- HITAG2 Extended
- HITAG3
- HITAG Pro
- HITAG (BMW)
- HITAG (VAG)
- MEGAMOS13
- MEGAMOS48
- MEGAMOS8E
- TEMIC 11/TEMIC 12

- TEMIC 8C
- TIRIS 4C
- TIRIS DST 4D/4E
- TIRIS DST+
- T5/TK5551

◆ Special Transponder

Special Transponder, it can prepare a special transponder (original manufacture key). It can be learned to car with PIN code. Support following types:

- TP22 (Seat-CAN) --- Megamos Crypto 48
- TP23 (Volkswagen-CAN) --- Megamos Crypto 48
- TP24 (Skoda-CAN) --- Megamos Crypto 48
- TP25 (Audi-CAN) --- Megamos Crypto 48
- ID33 Citroen/Peugeot/Fiat/Lancia VALEO --- PCF7935
- ID33 Fiat BOSCH --- PCF7935
- ID33 Mazda --- PCF7935
- ID33 Mitsubishi --- PCF7935
- ID33 Nissan --- PCF7935
- ID33 Nissan 2 --- PCF7935
- ID33 Opel/Vauxhall/Cadillac/Holden --- PCF7935
- ID33 Opel/Vauxhall/Cadillac/Holden 2 --- PCF7935
- ID33 Volkswagen --- PCF7935
- ID40(44) China Cars --- PCF7935
- ID40 Opel/Vauxhall/Cadillac/Holden --- PCF7935
- ID41 Nissan --- PCF7935
- ID42 Volkswagen --- PCF7935
- ID44 Mitsubishi --- PCF7935
- ID44 Volkswagen 1 --- PCF7935
- ID44 Volkswagen 2 --- PCF7935
- ID45 Peugeot --- PCF7935
- ID46 China Cars --- PCF7936
- ID46 VAG --- PCF7936
- ID46 Nissan X-Trail
- ID46 Nissan Platina
- ID46 Nissan Keyless --- Key Card
- ID46 Infinity Keyless --- Key Card
- ID46 Nissan Micra --- Remote Key
- ID46 Nissan Tida --- Remote Key
- ID46 Renault Master II --- Remote Key
- ID46 Renault Clio II --- Remote Key
- ID46 Renault Master II --- Transponder 7936
- ID46 Renault Trafic II --- Remote Key
- ID46 Renault Trafic II --- Transponder 7936

- ID46 Nissan Primastar --- Remote Key
- ID46 Nissan Primastar --- Transponder 7936
- ID46 Nissan Interstar --- Remote Key
- ID46 Nissan Interstar --- Transponder 7936
- ID46 Opel Astra H / Zafira B --- Remote Key
- ID46 Opel Corsa D --- Remote Key
- ID46 Opel Vectra C --- Remote Key
- ID46 Opel Vivaro --- Remote Key
- ID46 Opel Vivaro --- Transponder 7936
- ID46 Opel Movano --- Remote Key
- ID46 Opel Movano --- Transponder 7936
- ID46 Opel Movano III --- Remote Key
- ID46 Renault Master III --- Remote Key
- ID46 Renault Clio III --- Remote Key
- ID46 Renault Modus III --- Remote Key
- ID46 Renault Espace IV --- Transponder 7936
- ID46 Renault Espace IV --- Key Card 2-buttons
- ID46 Renault Espace IV --- Key Card 3-buttons
- ID46 Renault Laguna II --- Transponder 7936
- ID46 Renault Laguna II --- Key Card 2-buttons
- ID46 Renault Laguna II --- Key Card 3-buttons
- ID46 Renault Laguna III --- Key Card
- ID46 Renault Vel Satis --- Transponder 7936
- ID46 Renault Vel Satis --- Key Card 2-buttons
- ID46 Renault Vel Satis --- Key Card 3-buttons
- ID46 Renault Megane II --- Key Card
- ID46 Renault Scenic II --- Key Card
- ID46 Renault Twingo --- Remote key
- ID46 Renault Twingo --- Transponder 7936
- ID46 Citroen/Fiat/Lancia/Peugeot --- PCF7936
- ID46 Citroen/Peugeot --- PCF7936
- ID46 Citroen/KIA/Hyundai/Peugeot --- PCF7936
- ID46 Fiat/Iveco --- PCF7936
- ID46 Renault/Chrysler --- PCF7936
- ID46 Chrysler CAN bus (Y164,Y170) --- PCF7936
- ID46 Chevrolet Circle Plus --- PCF7936
- ID46 Mitsubishi --- PCF7936
- ID46 Saab
- ID46 Hyundai Remote key 7946
- ID46 KIA Remote key 7946
- ID60 Generic --- Texas 4D
- ID61 Mitsubishi II --- Texas 4D
- ID62 Suzuki BIKE --- Texas 4D
- ID62 Kawasaki BIKE --- Texas 4D

- ID62 Mitsubishi III --- Texas 4D
- ID63 Ford/Mazda --- Texas 4D
- ID64 Chrysler/Subaru --- Texas 4E
- ID65 Suzuki/Subaru --- Texas 4D
- ID66 Suzuki --- Texas 4D
- ID67 Toyota --- Texas 4D
- ID68 Lexus --- Texas 4D
- ID69 Yamaha --- Texas 4D.(JMA TP31)
- ID70 Toyota Europe --- Texas 4D
- ID70E Toyota Hybrid --- Texas 4D
- ID73 Mitsubishi --- PCF7935
- ID8C Ford/Mazda --- Temic 8C
- ID8C Proton --- Temic 8C
- Mercedes Benz G- Class --- PCF 7930
- Mercedes Benz C- Class/E- Class --- PCF 7930
- Mercedes Benz ML --- PCF 7930
- VW Jetta 2010 (China) --- Megamos Crypto 48

◆ Immobilizer Data Tool

Immobilizer Data Tool, simply name write start. It can load car immobox EEPROM dump, make a working key directly. Provide detail transponder type and EEPROM type accord selected car. Support following car types:

- **Asia**

1) Acura
2) Brilliance
3) Besturn
4) Chang An
5) Great Wall
6) Chery
7) Daewoo
8) Daihatsu
9) Geely
10) Haima
11) Honda
12) Hyundai
13) Infiniti
14) Isuzu
15) Kawasaki
16) Kia
17) Lexus
18) Mazda
19) Mitsubishi
20) Nissan

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21) Proton
22) SaicMotor
23) Saipa
24) IKCO
25) SsangYong
26) Subaru
27) Suzuki
28) Tata
29) Toyota
30) Yamaha

➢ **Euro**

1) Alfa Romeo
2) Aprilia
3) Aston Martin
4) Audi
5) Bentley
6) BMW
7) Citroen
8) Dacia
9) DAF
10) Ducati
11) Ferrari
12) Fiat
13) Gilera
14) Iveco
15) Jaguar
16) Lancia
17) LDV
18) MAN
19) Maserati
20) Mercedes Benz
21) Opel
22) Peugeot
23) Piaggio
24) Polonez
25) Porsche
26) Renault
27) Rover
28) Saab
29) Scania
30) Seat
31) Skoda
32) Smart
33) TagAZ

34) UAZ
35) VAZ
36) Volvo
37) VW

➢ **USA**

1) Buick
2) Bombardier
3) Cadillac
4) Chevrolet
5) Chrysler
6) Dodge
7) Ford
8) GMC
9) Jeep
10) Lincoln
11) Oldsmobile
12) Pontiac

◆ Other Key Tool

Mainly about unlock key made by VVDI2, find 7th byte CS from working key(VAG cars), make dealer key with 7 bytes CS(VAG cars), Change identifier for Megamos 48 transponder (Special transponder) etc

◆ Prepare remote

Write special programs to sub-remote-pcb with Remote Programmer; make the sub-remote-pcb have remote function as original new remote key
It with offline database, auto update by internet
You can provide your question and bugs here

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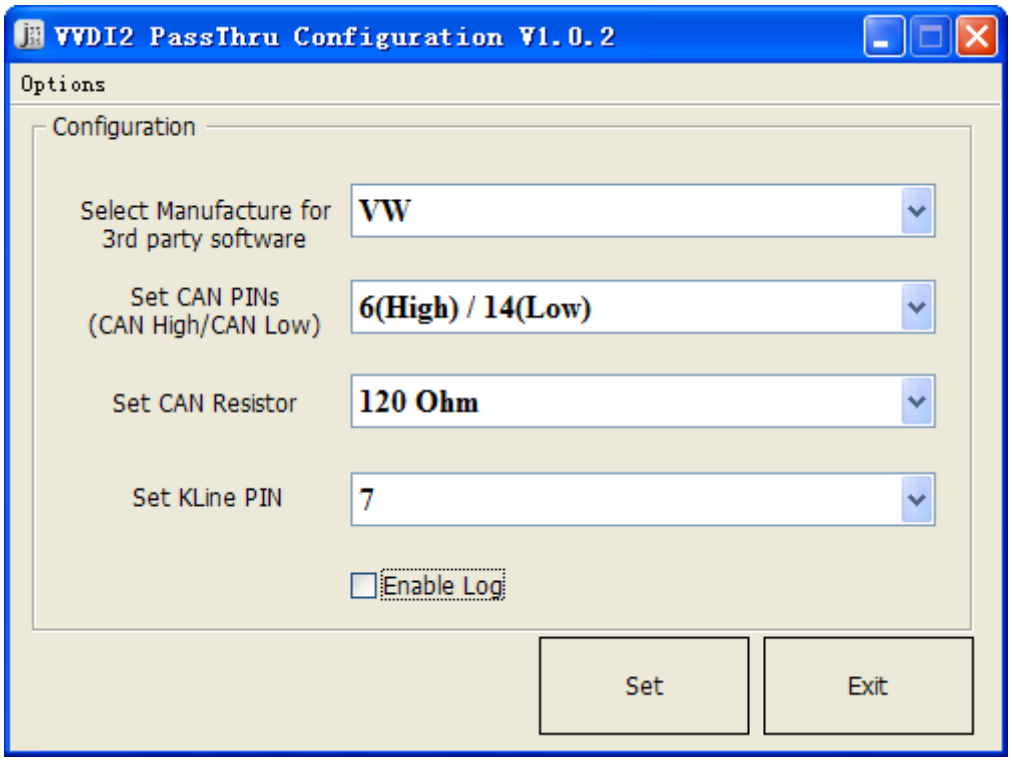
4.8. VVDI2 – PassThru J2534 Configuration software

Support use Third – Party software connect to VVDI2 for communication. Requires the Third – Party software support SAE J2534 function (PICTURE 4.6)

Now we support VAG diagnostics software: OIDS, VAS5054, Other Third – Party software will support in future. You can find detail in VVDI2 – PassThru J2534 User Manual



(PICTURE 4.6)

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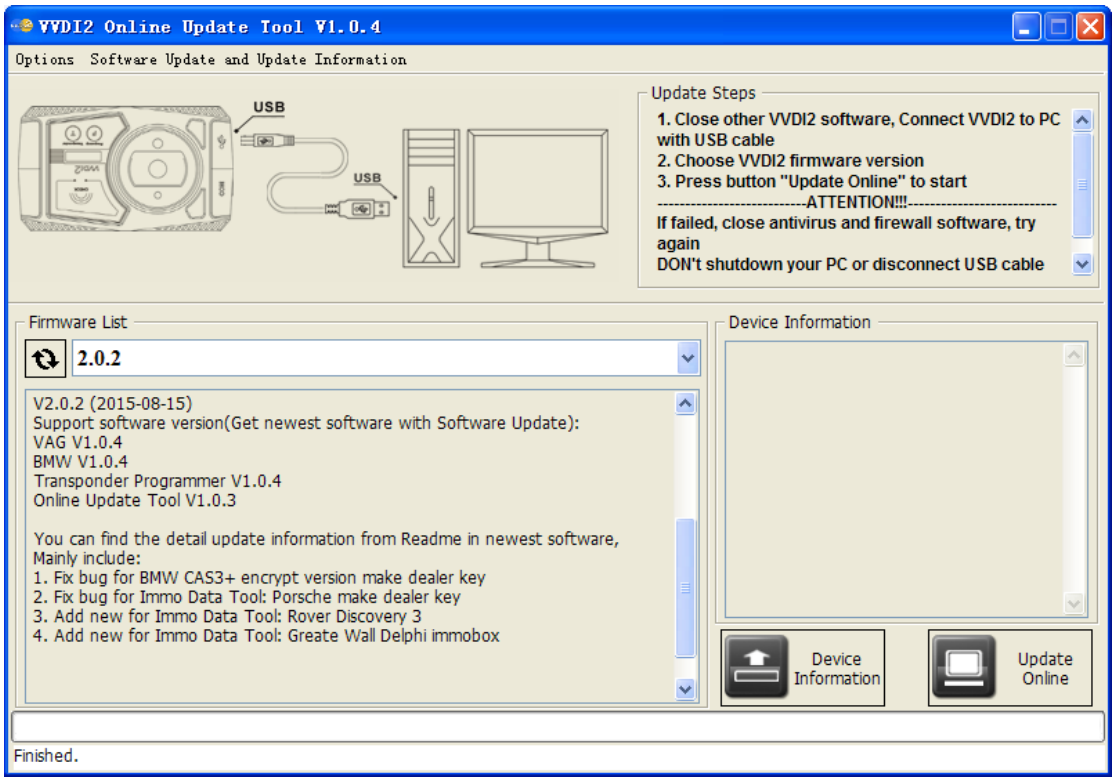
4.9. VVDI2 – Online Update Tool

Online Update Tool software can update your VVDI2 to newest firmware and download newest software (PICTURE 4.7)
You can find detail in VVDI2 – Update Online


VVDI2 Online Update Tool V1.0.4
Options Software Update and Update Information
USB
USB
Update Steps
1. Close other VVDI2 software, Connect VVDI2 to PC with USB cable
2. Choose VVDI2 firmware version
3. Press button "Update Online" to start
----------ATTENTION!!!----------
If failed, close antivirus and firewall software, try again
DON't shutdown your PC or disconnect USB cable
Firmware List
2.0.2
V2.0.2 (2015-08-15)
Support software version(Get newest software with Software Update):
VAG V1.0.4
BMW V1.0.4
Transponder Programmer V1.0.4
Online Update Tool V1.0.3
You can find the detail update information from Readme in newest software,
Mainly include:
1. Fix bug for BMW CAS3+ encrypt version make dealer key
2. Fix bug for Immo Data Tool: Porsche make dealer key
3. Add new for Immo Data Tool: Rover Discovery 3
4. Add new for Immo Data Tool: Greate Wall Delphi immobox
Device Information
Device Information
Update Online
Finished.

(PICTURE 4.7)

◆ Software Update

Check the latest software and require firmware version
Download link is provided here, you can download latest software directly
View latest software update information
View history update information

◆ Device Information

Read device serial number, firmware version, authorize information etc

◆ Update Online

Choose expect firmware version, online update your VVDI2 device